

Datasheet for ABIN7554065
HDAC10 Protein (AA 1-669) (His tag)



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Overview

Quantity:	1 mg
Target:	HDAC10
Protein Characteristics:	AA 1-669
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HDAC10 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat HDAC10 Protein expressed in mammalien cells.
Sequence:	MGTALVYHED MTATRLLWDD PECEIERPER LTAALDRLRQ RGLQRCRLRL SAREASEEEL GLVHSPEYVS LVRETQVLGK EELQALSGQF DAIYFHPSTF HCARLAAGAG LQLVDAVLTG AVQNGLALVR PPGHHGQRAA ANGFCVFNNV AIAAAHAKQK HGLHRILVVD WDVHHGQGIQ YLFEDDPSVL YFSWHRYEHG RFWPFLRES DAVVGRGQGL GFTVNLPWNQ VGMGNADYVA AFLHLLLPLA FEFDPELVLV SAGFDSAIGD PEGQMATPE CFAHLTQLLQ VLAGGRVCAV LEGGYHLESL AESVCMTVQT LLGDPAPPLS GPMAPCQSAL ESISARAAQ APHWKSLQQQ DVTAVPMSPS SHSPEGRPPP LLPGGPVCKA AASAPSSLLD QPCLCPAPSV RTAVALTTPD ITLVLPDVI QEASALREE TEAWARPHES LAREEALTAL GKLLYLLDGM LDGQVNSGIA ATPASAAAAT LDVAVRRGLS HGAQRLLCVA LGQLDRPPDL AHDGRSLWLN IRGKEAAALS MFHVSTPLPV MTGGFLSCIL GLVLPLAYGF QPDLVLVALG PGHGLQGPHA ALLAAMLRLGL AGGRVLALLE ENSTPQLAGI LARVLNGEAP PSLGPSSVAS PEDVQALMYL RGQLEPQWKM

LQCHPHLVA **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

HDAC10

Alternative Name:

HDAC10 ([HDAC10 Products](#))

Background:

Polyamine deacetylase HDAC10 (EC 3.5.1.48) (EC 3.5.1.62) (Histone deacetylase 10) (HD10),FUNCTION: Polyamine deacetylase (PDAC), which acts preferentially on N(8)-acetylspermidine, and also on acetylcadaverine and acetylputrescine (PubMed:28516954). Exhibits attenuated catalytic activity toward N(1),N(8)-diacetylspermidine and very low activity, if any, toward N(1)-acetylspermidine (PubMed:28516954). Histone deacetylase activity has been observed in vitro (PubMed:11861901, PubMed:11726666, PubMed:11677242, PubMed:11739383). Has also been shown to be involved in MSH2 deacetylation (PubMed:26221039). The physiological relevance of protein/histone deacetylase activity is unclear and could be very weak (PubMed:28516954). May play a role in the promotion of late stages of autophagy, possibly autophagosome-lysosome fusion and/or lysosomal exocytosis

Target Details

in neuroblastoma cells (PubMed:23801752, PubMed:29968769). May play a role in homologous recombination (PubMed:21247901). May promote DNA mismatch repair (PubMed:26221039). {ECO:0000269|PubMed:11677242, ECO:0000269|PubMed:11726666, ECO:0000269|PubMed:11739383, ECO:0000269|PubMed:11861901, ECO:0000269|PubMed:21247901, ECO:0000269|PubMed:23801752, ECO:0000269|PubMed:26221039, ECO:0000269|PubMed:28516954, ECO:0000269|PubMed:29968769}.

Molecular Weight: 71.4 kDa

UniProt: [Q969S8](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months